

EXAMINER'S COMMENT

1. The Drawings of 28 April 2006 are hereby objected to in that the descriptive labelling of element 4 in Figure 1 is mis-spelled. The labelling of element 4 of Figure 1 is "CICULATOR," but it ought to read, "CIRCULATOR." Correction of this defect is hereby **required**. A formal, corrected replacement sheet for sheet 1 of the drawings is also hereby **required**. Failure to make this required correction will result in the abandonment of the application. With these required corrections to the drawings, the entire drawing set will be **FORMAL**.

STATEMENT OF REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance:

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicant's claimed apparatus as set forth in independent claim 1 that is particularly characterized by the "target-central-azimuth detector ..." as described in that claim, taken in the overall context of claim 1.

Dependent claims 2, 19, and 20 are allowable for at least the reasons for which independent claim 1 is allowable.

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicant's claimed apparatus as set forth in independent claim 3 that is particularly characterized by

the “target-central-azimuth detector ...” as described in that claim, taken in the overall context of claim 3.

Dependent claim 18 is allowable for at least the reasons for which independent claim 3 is allowable.

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicant’s claimed apparatus as set forth in independent claim 4 that is particularly characterized by the “target-central-azimuth detector ...” as described in that claim, taken in the overall context of claim 4.

Dependent claim 5 is allowable for at least the reasons for which independent claim 4 is allowable.

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicant’s claimed apparatus as set forth in independent claim 6 that is particularly characterized by the “target-central-azimuth detector ...” as described in that claim, taken in the overall context of claim 6.

Dependent claims 12, 13, and 17 are allowable for at least the reasons for which independent claim 6 is allowable.

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicant’s claimed apparatus as set forth in independent claim 7 that is particularly characterized by

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the “target-central-azimuth detector ...” as described in that claim, taken in the overall context of claim 7.

Dependent claims 9-11, 14, and 16 are allowable for at least the reasons for which independent claim 7 is allowable.

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicant’s claimed apparatus as set forth in independent claim 8 that is particularly characterized by the “target-central-azimuth detector ...” as described in that claim, taken in the overall context of claim 8.

Dependent claim 15 is allowable for at least the reasons for which independent claim 8 is allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

CONTACT INFORMATION

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bernarr E. Gregory whose telephone number is (571)

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272-6972. The examiner can normally be reached on weekdays from 6:30 AM to 3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas H. Tarcza, can be reached on (571) 272-6979. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Bernarr E. Gregory/
Primary Examiner, Art Unit 3662